

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Product form : Liquid  
Product name. : PEDILINE PRO  
Product code : 300

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**1.2.1. Relevant identified uses**

Main use category : industrial  
Industrial/Professional use spec. : See product bulletin for detailed information.

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

CID LINES NV  
Waterpoortstraat, 2  
B-8900 Ieper - Belgique  
T + 32 57 21 78 77 - F +32 57 21 78 79  
[info@cidlines.com](mailto:info@cidlines.com) - [sds@cidlines.com](mailto:sds@cidlines.com) - <http://www.cidlines.com>

**1.4. Emergency telephone number**

Country	Official advisory body	Address	Emergency number
Worldwide	<a href="http://www.who.int/ipcs/poisons/centre/directory/en">www.who.int/ipcs/poisons/centre/directory/en</a>		

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

R10  
Xn; R20/21/22  
C; R34  
Xn; R42  
Xi; R43  
N; R50  
Full text of R-phrases: see section 16

**Adverse physicochemical, human health and environmental effects**

Serious eye damage/eye irritation Category 1. Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4). Acute toxicity (inhalation) Category 4. skin corrosion/irritation Category 1B. Respiratory sensitisation Category 1. Skin sensitisation Category 1. Hazardous to the aquatic environment - Acute Hazard Category 1.

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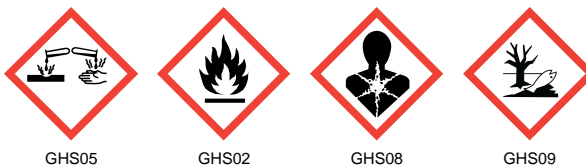
## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazardous ingredients :

Alkyldimethylbenzylammoniumchloride, Glutaraldehyde, Glyoxal

Hazard statements (CLP) :

H302 - Harmful if swallowed  
H314 - Causes severe skin burns and eye damage  
H317 - May cause an allergic skin reaction  
H332 - Harmful if inhaled  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H226 - Flammable liquid and vapour  
H400 - Very toxic to aquatic life

Precautionary statements (CLP) :

P303 - IF ON SKIN (or hair): Remove immediately contaminated clothing., Wash with plenty of soap and water  
P304 - IF INHALED: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing, Immediately call a POISON CENTER or doctor/physician, Specific treatment is urgent.  
P305 - IF IN EYES: Rinse cautiously with water for several minutes, Remove contact lenses, if present and easy to do. Continue rinsing, Immediately call a POISON CENTER or doctor/physician, Specific treatment is urgent.  
P301 - IF SWALLOWED: Rinse mouth., Do NOT induce vomiting, Immediately call a POISON CENTER or doctor/physician, Specific treatment is urgent.

#### Labelling according to Directive 67/548/EEC or 1999/45/EC

Hazard symbols :



C - Corrosive

N - Dangerous for the environment

Hazardous ingredients :

Alkyldimethylbenzylammoniumchloride, Glutaraldehyde, Glyoxal

R-phrases :

R34 - Causes burns.  
R42/43 - May cause sensitization by inhalation and skin contact.  
R50 - Very toxic to aquatic organisms.  
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.  
R10 - Flammable.

S-phrases :

S2 - Keep out of the reach of children.  
S13 - Keep away from food, drink and animal feedingstuffs.  
S20/21 - When using do not eat, drink or smoke.  
S23 - Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).  
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.  
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.  
S28 - After contact with skin, wash immediately with plenty of water.  
S35 - This material and its container must be disposed of in a safe way.  
S60 - This material and its container must be disposed of as hazardous waste.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Alkyldimethylbenzylammoniumchloride	(CAS No.)68424-85-1 (EC no)270-325-2	15 - 30	Xn; R21/22 C; R34 N; R50
Didecyldimethylammonium chloride	(CAS No.)7173-51-5 (EC no)230-525-2 (EC index no)612-131-00-6	5 - 15	Xn; R22 C; R34
Glutaraldehyde	(CAS No.)111-30-8 (EC no)203-856-5 (EC index no)605-022-00-X (REACH-no)01-2119455549-26	5 - 15	T; R23/25 Xn; R42 C; R34 Xi; R43 N; R50
Propan-2-ol	(CAS No.)67-63-0 (EC no)200-661-7 (EC index no)603-117-00-0 (REACH-no)01-2119457558-25	5 - 15	F; R11 Xi; R36 R67

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alkyldimethylbenzylammoniumchloride	(CAS No.)68424-85-1 (EC no)270-325-2	15 - 30	Skin Corr. 1B, H314 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400
Didecyldimethylammonium chloride	(CAS No.)7173-51-5 (EC no)230-525-2 (EC index no)612-131-00-6	5 - 15	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400
Glutaraldehyde	(CAS No.)111-30-8 (EC no)203-856-5 (EC index no)605-022-00-X (REACH-no)01-2119455549-26	5 - 15	Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314 Resp. Sens. 1, H334 Skin Sens. 1, H317 Aquatic Acute 1, H400
Propan-2-ol	(CAS No.)67-63-0 (EC no)200-661-7 (EC index no)603-117-00-0 (REACH-no)01-2119457558-25	5 - 15	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Full text of R-, H- and EUH-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : Assure fresh air breathing. Obtain medical attention if breathing difficulty persists.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if ill effect or irritation develops.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Contact ophthalmologist immediately.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting because of corrosive effects. Call a physician immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : All extinguishing media can be used.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not combustible.
- Reactivity : High temperature may liberate dangerous gases.

### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Equip cleanup crew with proper protection. Respiratory protection equipment may be necessary.

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Dilute residues and flush. Recover the cleaning water for later disposal.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Where contact with eyes or skin is likely, wear suitable protection. Handle in accordance with good industrial hygiene and safety procedures.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, well-ventilated area. Protect from freezing. Keep at temperature not exceeding 50 °C.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Propan-2-ol (67-63-0)		
EU	IOELV TWA (mg/m <sup>3</sup> )	983 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	400 ppm

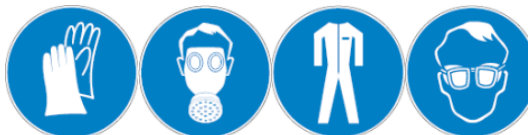
  

Glutaraldehyde (111-30-8)		
EU	IOELV TWA (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	0,2 ppm

#### 8.2. Exposure controls

Appropriate engineering controls : Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations.

Personal protective equipment : Gloves. Dust/aerosol mask. Protective clothing. Protective goggles.



Hand protection : Gloves.

Eye protection : Eye protection should only be necessary where liquid could be splashed or sprayed.

Skin and body protection : If skin contact or contamination of clothing is likely, protective clothing should be worn.

Respiratory protection : Approved dust or mist respirator should be used if airborne particles are generated when handling this material.

Consumer exposure controls : When using, do not eat, drink or smoke.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Colour	: Green.
Odour	: Aldehyde.
Odour threshold	: No data available
pH	: ca. 2,5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: - 10 °C
Boiling point	: 93 °C
Flash point	: 44 °C
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ca. 1,02 kg/l
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

High temperature may liberate dangerous gases.

#### 10.2. Chemical stability

No additional information available

#### 10.3. Possibility of hazardous reactions

None under normal conditions.

#### 10.4. Conditions to avoid

Avoid contact with : Strong acids. Strong oxidizing agents.

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

No additional information available

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity	: Harmful by inhalation, in contact with skin and if swallowed.
Irritation	: Not classified pH: ca. 2,5
Corrosivity	: Causes burns. pH: ca. 2,5
Sensitisation	: May cause sensitization by inhalation and skin contact.
Repeated dose toxicity	: Not classified
Carcinogenicity	: Not classified

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Mutagenicity : Not classified  
Toxicity for reproduction : Not classified  
Potential Adverse human health effects and symptoms : Corrosive to eyes and skin.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water : strongly hazardous to water (WGK 3).

PEDILINE PRO	
LC50 fish 1	1-10 mg/l
EC50 Daphnia 1	1-10 mg/l

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment. Hazardous waste.

### SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

#### 14.1. UN number

UN-No. : 1760

#### 14.2. UN proper shipping name

Proper Shipping Name : CORROSIVE LIQUID, N.O.S.  
Transport document description : UN 1760 CORROSIVE LIQUID, N.O.S. (Alkyldimethylbenzylammoniumchloride, Glutaraldehyde), 8, III, (E)

#### 14.3. Transport hazard class(es)

Class (UN) : 8  
Hazard labels (UN) : 8



#### 14.4. Packing group

Packing group (UN) : III

#### 14.5. Environmental hazards

Dangerous for the environment :



Other information : Clean up even minor leaks or spills if possible without unnecessary risk.

#### 14.6. Special precautions for user

Special transport precautions : The driver shall not attempt to deal with any fire of the load. No naked lights. No smoking. Keep public away from danger area. NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.

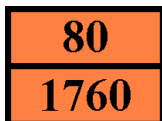
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### 14.6.1. Overland transport

Hazard identification number (Kemler No.) : 80  
Classification code (ADR) : C9  
Orange plates :



Tunnel restriction code : E  
LQ : LQ07  
Excepted quantities (ADR) : E1

### 14.6.2. Transport by sea

Ship Safety Act : Corrosive substances  
Port Regulation Law : Corrosive substances  
MFAG-No. : 154

### 14.6.3. Air transport

Instruction "cargo" (ICAO) : 820  
Instruction "passenger" (ICAO) : 818  
Civil Aeronautics Law : Corrosive substances

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions  
Contains no REACH candidate substance  
Other regulations, restrictions and prohibition regulations : strongly hazardous to water (WGK 3).

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

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### SECTION 16: Other information

Full text of R-, H- and EUH-phrases::

Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
Resp. Sens. 1	Respiratory sensitisation Category 1
Skin Corr. 1B	skin corrosion/irritation Category 1B
Skin Sens. 1	Skin sensitisation Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapour
H301	Toxic if swallowed
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
R10	Flammable.
R11	Highly flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R23/25	Toxic by inhalation and if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R42	May cause sensitization by inhalation.
R43	May cause sensitisation by skin contact.
R50	Very toxic to aquatic organisms.
R67	Vapours may cause drowsiness and dizziness.
C	Corrosive
F	Highly flammable
N	Dangerous for the environment
T	Toxic
Xi	Irritant
Xn	Harmful

SDS EU CLP DPD

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*